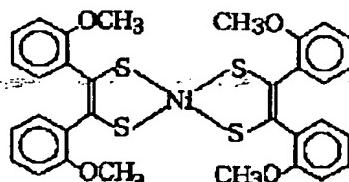


EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 10045785

PUBLICATION DATE : 17-02-98



APPLICATION DATE : 05-08-96

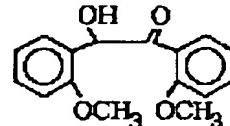
APPLICATION NUMBER : 08205693

APPLICANT : MITSUI PETROCHEM IND LTD;

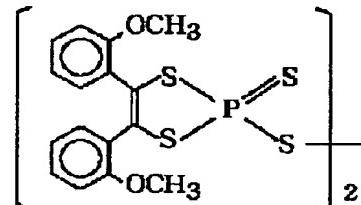
INVENTOR : ITO NAOTO;

INT.CL. : C07F 15/04 C08J 5/00 C08K 5/36
C08K 5/56 C08L 25/06 C08L 33/12
C08L 67/03 C08L 69/00 C08L 101/00
C09K 3/00

TITLE : NOVEL NICKEL COMPLEX AND
NEAR-INFRARED ABSORPTION RESIN
MOLDED PRODUCT FOR
CONSTRUCTION MATERIAL USING
THE SAME



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a novel bis(1,2-bis(2-methoxyphenyl)-1,2-ethylene dithiolate) nickel complex which gives a near-infrared absorption resin composition for an exterior building material, when this compound is kneaded in a resin.



II

III

SOLUTION: This novel compound is bis(1,2-bis(2-methoxyphenyl)-1,2-ethylene dithiolate)nickel complex. When it is kneaded in a resin with heat, this compound becomes almost colorless blue and is useful as an infrared ray-cutting resin molded products for exteriors for example, sky light, shop roof, arcade or roof of bus stop and as resin molded products for absorbing near-infrared rays for building materials. This compound is prepared by reaction of o-anisoin with diphosphorus pentasulfide in a solvent such as dioxane to form an intermediate of a phosphorus compound of formula III and followed by reaction of the intermediate with an aqueous solution of nickel chloride (II) with heat.

COPYRIGHT: (C)1998,JPO

BEST AVAILABLE COPY